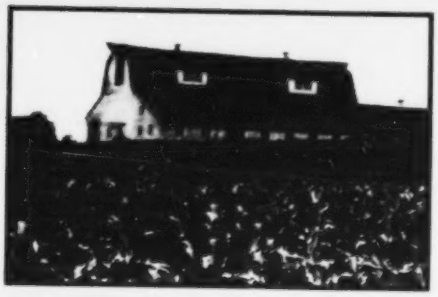
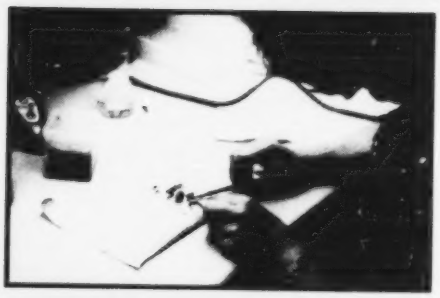
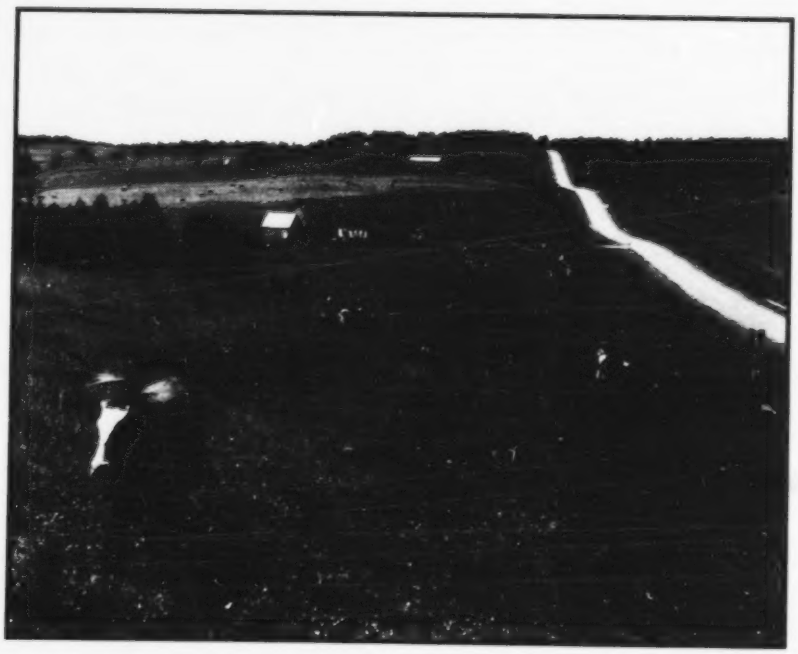




Annual Report 1989



PRINCE EDWARD ISLAND DEPARTMENT OF AGRICULTURE

Prince Edward Island
Department of Agriculture
Annual Report

For the fiscal year ending March 31, 1989
and Activities Report for the year ending
December 31, 1989

The mission of the Department of Agriculture is to expand and diversify, on a sustainable basis, the production and marketing of agriculture and food products.

The Year In Review

- Farm incomes reached a record high for Prince Edward Island in 1989. For the first time, total cash receipts exceeded a quarter billion dollars and are estimated at $257 million. Net cash income is approximately $96 million, an increase of 84 percent over 1988. This is the largest year-over-year change of any Canadian province.
- A new five-year $24 million Cooperation Agreement on Agriculture was signed with the Government of Canada during 1989. This Agreement is aimed at increasing farm income and value-added employment through the expansion and diversification of the agricultural industry.
- A $1.8 million Soil and Water Conservation Agreement was reached with Agriculture Canada. This three-year initiative will focus on sustaining the farm land resource by addressing soil erosion and degradation.
- The Department worked closely with the Food Technology Centre on a number of projects, including modified atmosphere packaging.
- Aggressive marketing campaigns were continued to increase the sale of Island agriculture and food products to domestic and international markets, including potatoes in the U.S. and strawberries in the New England markets.
- A special project was initiated to improve techniques of York rutabaga seed production. Assistance was also provided to the Cole Crop Growers Cooperative in successfully marketing the 1989 crop.
- The Department established a new Potato Services Division in Kensington to improve its support to this vital sector of the agriculture industry.
- Increased support and assistance was provided to Island fairs and exhibitions as a means of promoting Island food products.
- The Department initiated a review of its strategic objectives as a guide to the development of policies to expand and diversify sustainable production and marketing of agriculture and food products. With a major federal agriculture policy review initiated in 1989 as outlined by its "Growing Together" discussion paper, a great deal of effort has and will continue to be expended to ensure that the future development of the Prince Edward Island agri-food industry is not adversely affected.

MINISTRY OF AGRICULTURE ACTS

Pursuant to Executive Council Minute M37/84, the Department is responsible for the administration of the following Acts:

Agricultural Chemicals Act
Agricultural Standards Act
Agricultural Products Marketing Act
Agrologists Act
Apiary Inspection Act
Artificial Insemination Act
Bang's Disease Eradication Act
Crop Insurance Act
Dairy Industry Act
Dairy Producers Act
Division Fence Act (repealed 1987)
Dog Act
Domestic Animals Act (repealed 1987)
Farm Implement Act
Federal Dairying Company Act
Fences and Detention of Stray Livestock Act
Field-Root Seeds Zoning Act
Grain Elevators Act
Land Development Corporation Act
Livestock Branding or Tattooing Act
Livestock Community Auction Sales Act
Marketing Act
Mink Protection Act
Natural Products Marketing Act
Pesticides Control Act
Plant Disease Eradication Act
Potato Crop Mortgage Act
Potato Production Act
Poultry and Poultry Products Act
Racehorse Inspection Act
Veterinary Assistance Act
Veterinary Profession Act
Women's Institute Act

P.E.I.
Agriculture

Prince Edward Island Department of Agriculture
Charlottetown, 1989

To the Honourable Lloyd C. MacPhail
Lieutenant Governor of Prince Edward Island

Sir:

I have the honour to submit herewith the Annual Report of the Department of Agriculture comprised of financial statements for the period April 1, 1989 to March 31, 1989 and activities for the calendar year, 1989.

I have the honour to be, Sir,
Your obedient servant,

Keith Milligan
Minister of Agriculture

To The Honourable Keith Milligan
Minister of Agriculture

Sir:

I have the honour to submit herewith a report of the activities of the Department of Agriculture for the year ended December 31, 1989, and the fiscal report for the fiscal year ended March 31, 1989.

Agriculture is in the midst of a changing policy environment. The Canada-U.S. Trade Agreement, the current G.A.T.T. negotiations, and the thrust of the Federal Government are causing the farm community and this Department to take stock and to re-focus.

We will be placing a major emphasis on the exploration of sustainable growth and development opportunities. Your Department will be searching out specific market opportunities which the Island agri-food sector can capitalize on through diversification and value-added activities. Ways and means of accelerating the identification and transfer of technology improvements to enhance the viability of agri-food production on Prince Edward Island is also a high priority.

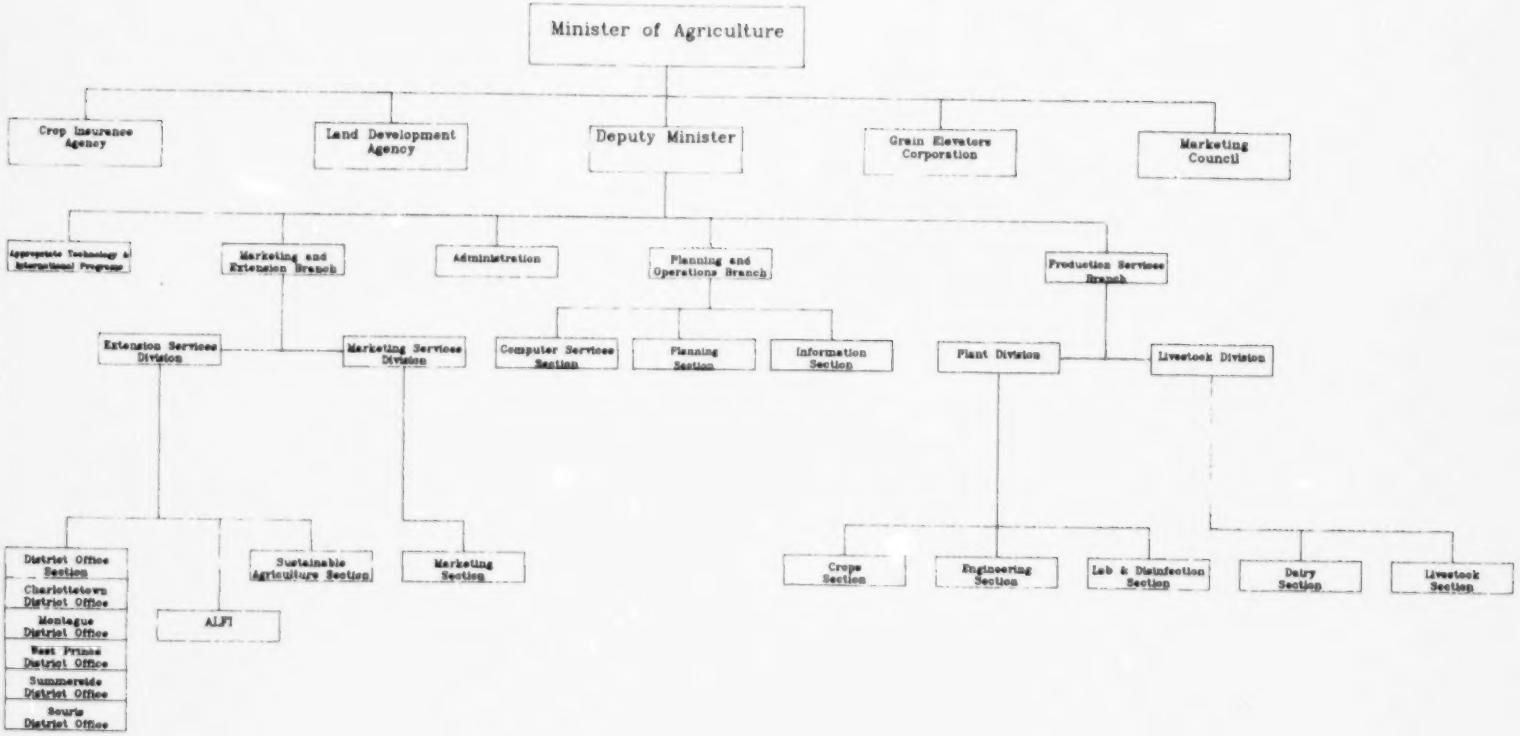
Now, more than ever before, the partnership between government and Island agriculture is essential to successfully exploit the opportunities available to us. I am pleased to report that through measures such as the Potato Industry Congress, major steps have been taken to work together to ensure the challenges ahead are effectively addressed.

Having only joined the Department in July, I would like to thank the staff for their dedication in assisting the agriculture community address the challenges facing the industry.

Respectfully submitted,

Dr. Gordon A. MacEachern
Deputy Minister

P.E.I. Department of Agriculture Organization Chart



P.E.I. Agriculture

1989 Annual Report

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Administration Branch

The Administration Branch is responsible for directing, managing and coordinating the Department's administrative, budgeting, personnel and financial management and control functions.

In 1989 the Branch provided a staff function to the Department. The major areas of responsibility and activity were as follows:

Financial:

- Budget preparation
- Budget monitoring and forecasting

Personnel:

- Staffing
- Classification
- Payroll
- Staff training/development

Administration:

- Other administrative duties and programs
- Natural Products Appeals Tribunal

Administration Section

The Administration Section consists of the Director, a Personnel Technician, FIS Clerk, 2 Receptionists and a Mail Clerk.

The approved establishment for the Department is 155 positions. The breakdown of these positions is 130 full-time and 25 part-time.

The Department employed 140 term and 8 contract employees during 1988/89 fiscal year.

Natural Products Appeals Tribunal

During 1989 the Appeals Tribunal received four notices of appeals. All of the appeals were in the dairy commodity and all were heard and decisions rendered. The Appeals Tribunal was comprised of:

Wayne Beaton, Chairman
Danny Walker
Isobel Campbell

Planning and Operations Branch

The Planning and Operations Branch is responsible for the Department's policy and planning, communication and information services and for implementing improved operational procedures, management practices and research and evaluation.

The Planning and Operations Branch continued the staff functions of providing support services to the line branches. Also, the Branch is involved in delivering the Sustainable Agriculture Program to the farm community. Other major areas of responsibility are:

- Strategic Planning
- Computer Services
- Communications
- Federal/Provincial Negotiations
- Economic Analysis
- Program Evaluation

Personnel

Paul Jelley was appointed Director of the Branch on April 17, 1989, for a one-year period while the Director, Dave Rogers, completed a special communications assignment. Mr. Jelley also continued to serve as General Manager to the Prince Edward Island Marketing Council.

The Communications Director, Lynne Rodgerson, is in the second year of her two-year secondment to the Atlantic Canada Opportunities Agency. Her temporary replacement, Carol Horne, moved to the Department of Community and Cultural Affairs and was replaced by Wayne MacKinnon who will continue in the position until Ms. Rodgerson's return.

The Federal/Provincial Negotiator, Sandy Griswold, is in the second year of his two-year secondment with the Atlantic Canada Opportunities Agency. His temporary replacement, Alan Toombs, joined the Department of Community and Cultural Affairs in November and has since been replaced by Charles Hamilton. Bob Macgregor, B.A., M.A., M.S., Ph.D., joined the Department in June replacing Economist Glen Monteith who took up employment with the Government of Saskatchewan.

Federal/Provincial Negotiations

Two agreements with Agriculture Canada were successfully concluded during the year. The five-year $24 million Co-operation Agreement on Agriculture replaces the Agriculture ERDA which concluded in 1989. The $1.8 million Soil and Water Agreement with Agriculture Canada is for a three-year duration. It is intended to demonstrate effective means of erosion control.

Computer Services

The highlight of the year was the decision to develop a centralized computing environment or network. Phase I will see the network established in the Department's offices in the Jones Building. This will take place in 1990. Phase II will network offices located at the Research Station and link it with the Jones Building. Phase III will include regional offices and provide clients access to Departmental information via computer.

Communications

The Information Section continued its activities in support of Department programs and the general farm community. These activities include daily radio programs, fact sheets, brochures, news releases and departmental advertising.

Sustainable Agriculture

The Branch provides leadership in developing sustainable agriculture programs and provided assistance to 23 projects, including mussel mudding, composting manure, mechanical weed control and an on-farm research project. As well, educational workshops and materials were conducted and prepared.

Appropriate Technology and International Programs Branch

Staff: Dr. Awni T. Raad, Director
Mr. Norbert Stewart, Research Assistant
Ms. Norma Jean MacDonald, Secretary

The objectives of the Appropriate Technology and International Programs Branch are promoting agri-food exports and technology transfer; and enhancing the profile of Prince Edward Island in Canadian and internationally funded agricultural development.

Programs Report

Agricultural Export Promotion

The Branch participated, with representatives of the Prince Edward Island seed potato export industry, in the export promotion program of seed potatoes in the Egyptian market. A joint promotion trip was conducted in Egypt during the period June 3-9, 1989, with representatives of Prince Edward Island seed potato exporters and Potatoes Canada to promote Canadian seed potatoes and open the door for the entry, at the commercial scale, of seed potatoes into Egypt in 1989/1990 crop year.

The varieties Kennebec and Atlantic were included in the Egyptian contract list of varieties for 1989/90, and Canada was included in the Egyptian seed potato tender of 1989 as eligible suppliers of Kennebec and Atlantic.

Four Canadian companies submitted bids on the Egyptian seed potato tender in September, 1989. One Canadian company in Prince Edward Island signed a contract with the Egyptian Seed Purchasing Committee to supply Egypt with 3750 tonnes of Kennebec including some Atlantic. However, it was not possible to complete the shipment as required, due to differences in the interpretation of phytosanitary requirements.

This experience with Egypt has demonstrated that a clear protocol of agreement between Canada and a new offshore market country regarding phytosanitary regulations, procedures and interpretation is necessary for the success of new market initiatives. The staff of the Branch provided services and facilities to reopen recent markets in Algeria and a new seed potato market in Mexico.

New emerging seed potato markets are now found in the Caribbean (Dominican Republic), Argentina, Yugoslavia, Jordan and Iraq.

Other Exports Promotion

Westech Agriculture Ltd

Market promotion assistance was provided for Westech Agriculture Ltd., Alberton, in promoting the export of Island virus-free strawberry plants to Spain, North African and Middle Eastern countries, including Tunisia, Egypt, Jordan and Iraq.

A Prince Edward Island strawberry cultivar evaluation program in Iraq, Egypt, Tunisia, Jordan and British Columbia was developed in cooperation with Westech Agriculture Ltd.

China Seed Forage Promotion Mission

In order to promote the participation of Prince Edward Island in Federal market promotion initiatives and export missions, arrangements were made with External Affairs and International Trade to have a member of the Branch staff participate in the China Forage Seed promotion mission in October, under the sponsorship of the Federal Government.

The mission provided the opportunity to meet with many Chinese officials, and to define a number of export opportunities for Prince Edward Island agricultural commodities and technologies.

"Anne of the Island"

Market promotion assistance was provided for "Anne of the Island", a product of the Clear Pure Water Co. Ltd., Charlottetown, in offshore countries, with special emphasis in Middle East and Pacific Rim countries.

Water samples, promotional materials and price lists were forwarded to well-established food and beverage distributors and wholesalers in four countries.

Bred Dairy Heifers

The proposals of increased exports of Prince Edward Island bred dairy heifers looks promising, considering available market information. Trinidad, Syria, Egypt and Venezuela are examples of promising markets for bred dairy cattle. An international tender to purchase bred dairy cattle for a Trinidad Crown Corporation was received by the Branch and made available to two cattle exporters in Prince Edward Island. A bid was submitted by a Prince Edward Island cattle exporter to Trinidad to supply the tender requirements of Prince Edward Island bred dairy cattle. The final decision on this bid and others is still pending.

In order to facilitate future trade in bred dairy heifers, a study of the industry with respect to exportable dairy cattle was carried out. The number of bred dairy heifers which can be made available annually for export was estimated at approximately 8000.

Tobacco

The market promotion of Island tobacco products received considerable attention this year. The Director of the Branch discussed in Cairo the matter of Prince Edward Island leaf tobacco export to Egypt.

It was agreed that Egypt will favourably consider buying leaf tobacco from Prince Edward Island, providing that Egyptian quality standards are met, and Egyptian requirements of credit facilities are satisfied by the Canadian side. Three leaf tobacco samples were prepared in cooperation with Choice Inc., Montague, and forwarded in November to Egypt for evaluation.

European Economic Community

The European Economic Community offers excellent markets for Prince Edward Island seed potatoes in Portugal, Italy and Greece. Approval was given on September 26 by the EEC Standing Committee on Plant Health and the EEC Commissioner for Agriculture to derogation provided for by Greece, Italy and Portugal with respect to seed potato imports from Canada. The derogation applies to two years. It covers the varieties of Kennebec, Shepody, Sebago, Russet Burbank and Donna.

The Canadian team work in negotiating with the European Community, and the direct involvement in this effort of the Prince Edward Island Minister and Deputy Minister of Agriculture, have contributed to the present success of the derogation.

Agribusiness Export Promotion

Offshore market information was provided by the Branch at the request of 59 export-related companies in agricultural commodities, services and individual products, as well as food products in Prince Edward Island.

In order to diversify Prince Edward Island exports, an international tender to establish a turn-key plant to process tomato paste was obtained from Algeria at the request of a Prince Edward Island manufacturing company which fabricates plant equipment.

Offshore Market Delegates

The Branch staff were major participants in the provincial hospitality program for the offshore market delegates from Jamaica, the European Economic Community, Dominican Republic, Italy, Bangladesh, Mexico, Colombia, Greece and Portugal. A joint tour and hospitality program was planned and conducted with the Prince Edward Island Potato Marketing Commission during the summer and early fall of the year, to acquaint members of offshore market delegations with the advantages of the Prince Edward Island seed potato industry.

Tours were conducted of potato fields, laboratories and centres servicing potato production, storage and packing technologies.

Appropriate Technology

The development of value-added opportunities in agriculture has been a major activity of the Branch during the year.

Programs conducted to evaluate, and whenever possible, develop new initiatives in value-added products, services and enterprises included the following:

The Determinations of Feed Rations Which Enhance the Production of Low Cholesterol Poultry Products

Terms of Reference have been developed for a project to determine locally grown and mixed feed rations which enhance the production of low cholesterol and poultry products. The proposal received an indication of strong interest from the Prince Edward Island Egg Producers and Allied Industries Association. It has also received an intent of financial support from National Research Council. The project will be implemented by a private sector agency.

Farm Integration of Energy Self-Sufficiency

The Branch has verified that the present level of electricity generation technology through anaerobic digestion of organic waste products is such that on-farm small scale projects are feasible, and a growing number are being installed on farms in central and eastern U.S.A. Efforts are now being made to evaluate on-farm energy generating systems in a pilot project in cooperation with the energy industry.

Commercial Scale Composting of Agricultural Waste Materials

At the request of a client who has expressed interest in commercial scale composting, a review of literature was

carried out by the Branch staff. Results of the review indicated that many waste products of agricultural origin can be composted, e.g. livestock manures, cull potatoes and other vegetable, fish and fish processing wastes and even common household garbage. The review also indicated that there is a significant urban market for finished compost, both in raw and mixed forms. As well, there is an increasing demand for sterilized compost by various sectors of the greenhouse industry (e.g. tobacco producers, flower growers, etc.).

Production and Marketing of Prince Edward Island Dried Scented Flowers

The staff carried out a tentative evaluation of the dried and scented flower market in the Atlantic Region. The results of this study indicated that reasonable opportunities for dried flowers exist in the Atlantic region. A test market for locally produced materials was instituted through contractural arrangements with two marketing companies, Avon Valley Greenhouses Ltd. and Scentiments by the Sandpiper in Nova Scotia.

The test market, which was completed in late October, clearly showed that grown flowers have high market acceptability, but that a mechanism must be established to assure constant market supply before full industry potential can be realized. The test market also identified those flower varieties which are in greatest demand. This information has been communicated with the industry in the form of a mailout.

Additional French Fry Potato Processing Opportunities in Prince Edward Island

A preliminary evaluation was made of the potential for the development of a french fry processing plant in West Prince County.

Specialty Market Meat Processing Opportunities in Prince Edward Island

Tentative research has been conducted in exploring the economic feasibility of producing specialized processed meat products to meet requirements of ethnic markets in Atlantic Canada, Quebec and Ontario.

Early results of this research are most encouraging, especially because the target processed products will not compete with main products of major meat processors and packers.

International Agriculture

A joint proposal with Potatoes Canada respecting cooperation in potato production technology with Egypt was submitted to the Canadian International Development Agency for review and approval. The proposed project is expected to provide Egyptian farmers, research and extension personnel with information on optimum production requirements of Canadian potato varieties in Egypt.

A proposal has been prepared by the Branch to summarize technical and budget requirements of a rapid multiplication system of seed potatoes for submission to the Jordanian Higher Council of Science and Technology.

Plans are being developed to assist interested food and agricultural commodity export companies in the province to participate in international food and agricultural exhibitions which were endorsed by External Affairs and the Province. To date, three agricultural export companies have expressed their interest in participating in Agro Expo China 90. The Branch is presently working with these companies and others to develop plans for product assembly, packaging, transportation and display at the Canadian Pavilion at Agro Expo China 90 which will be held at Beijing during the period April 3 to 7, 1990.

Marketing and Extension Branch

The Marketing and Extension Branch is comprised of the Marketing Services Section, the District Offices, the Atlantic Livestock Feed Initiative Program and the Training and 4-H Section.

The Branch has primary responsibility for the Department of Agriculture's strategic objectives of marketing and farm management. The Branch also works closely with the other branches of the department in technology transfer and leadership development.

The work of the Branch over the past year and the upcoming year are greatly influenced by national and international issues facing the agri-food industry. The federal government's agricultural policy review encouraging greater self reliance and more value-added activities beyond the farm gate, and global agricultural trade reform are important issues being addressed by the Branch and the Department as a whole.

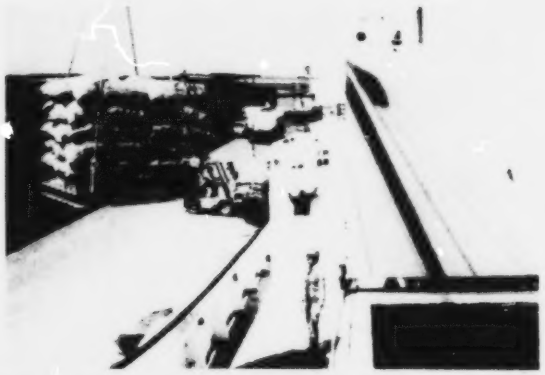
Marketing Services Section

The Marketing Services Section provides marketing support to the agri-food industry in identifying market opportunities; analysis of data compiled on various product/geographic markets; and promotional support to commodity groups to increase their penetration of markets. The section also provides administrative support on some federal/provincial agreements.

Personnel

The staff complement is as follows:

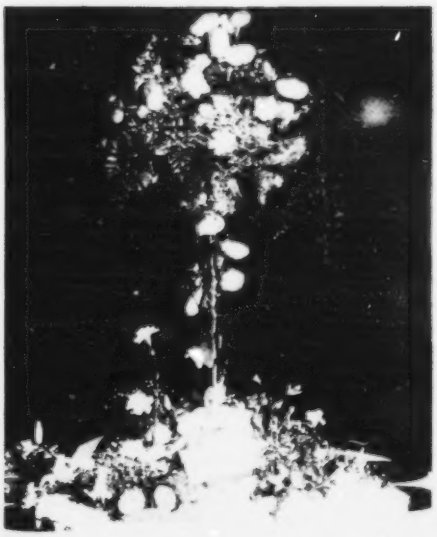
1 Supervisor
3 Market Development Officers
5 Extension Marketing Specialists (4 part-time)
1 Coordinator of Fairs and Exhibitions (part-time)
1 Market Analyst/Statistician
3 Secretaries



Market Development

During the past year, the Marketing Services Section has worked on a number of market development projects with the farming and agri-business community. Highlights of these projects include the following:

- An investigation of seed potato markets along the eastern seaboard of the United States. The results of this project will be used by the Potato Marketing Commission to expand its penetration into this market. A second investigative mission is planned for additional states in the U.S.
- Provision of financial and human resource support to the Potato Marketing Commission for the promotion of Prince Edward Island tablestock potatoes. The main components of the Commission's program includes media advertising, in-store contests, point of purchase materials, in-store sampling with Cavendish Farms, educational materials targetted at produce managers and schools, media packages distributed to food editors in the major markets for Prince Edward Island potatoes, and tracking surveys of potato sales and consumption in major Canadian markets. The section also supported the Commission in hosting trade dinners and attendance at the major North American produce industry trade shows.
- A study of the microwave cooking performance of the major potato varieties in conjunction with the Food Technology Centre. The study also conducted chemical and nutritional analyses of the potatoes.
- Support for the development of a regional forage marketing association, the Atlantic Canada Forage Cooperatives Association. The larger producer base will enable the group to target markets with volumes greater than any of the individual forage companies had been able to supply in the past. The section has worked closely with the regional group in identifying the priority markets of the Pacific Rim and the United Kingdom.
- A study to determine the number and types of grain storage facilities on Prince Edward Island with the assistance of ALFI and the Grain Elevators Corporation.



The results of the study will be used to determine future directions for centralized and on-farm grain handling facilities.

- The establishment of a pool for the trade in soybeans with the Prince Edward Island Bean Cooperative and the Elevators Corporation. Assistance was also provided to the Elevators Corporation to implement a system for the roasting of soybeans.
- An investigation of the production and marketing of sweet white lupins. The results of this travel by a staff member to Ontario will be used to develop a program for the growing and marketing of this crop in Prince Edward Island.
- A program for the marketing of the 1989 fall harvest of coloured beans. This was developed in conjunction with the Prince Edward Island Bean Cooperative.
- Assistance to a group of strawberry growers in developing new packaging and increasing market penetration in New England.
- A project to test the feasibility of modified atmosphere packaging with the Prince Edward Island Horticultural Association and the Food Technology Centre. The crops selected for the tests are strawberries, rutabagas and broccoli.
- Assistance to the Prince Edward Island Cole Crop Growers Cooperative in finding markets for this year's crop. Processor reaction to the crop was very good.
- An examination of the export potential of livestock breeding stock. The section has also been involved in the planning for the Maritime International Livestock Marketing and Technology Show. This show is scheduled to follow the Maritime Winter Fair in Moncton in 1990 and will see buyers from around the world in attendance.
- Preliminary research into the market potential for game animals.
- Assistance to producers of other small fruits to find markets for their products.
- Completion of preliminary work on a project to assess the genetic influence on lean yield on hog carcasses.

Promotional Support

The section has been active in assisting various Prince Edward Island producer groups in their promotional efforts. The highlights for 1989 are as follows:

- Staff assistance to Prince Edward Island Blueberry Growers Association in planning domestic promotions. A joint program with the Culinary Institute, WBANA, and the local association focused on the use of wild blueberries in the foodservice sector.
- Assistance to the Prince Edward Island Strawberry Growers Association in planning and implementing an in-store promotion in conjunction with dairy and egg producers.
- Support to the dairy industry in two areas. The first is the School Milk Program which the Department actively supports with an annual grant and staff support. This program underwrites the cost of milk to Prince Edward Island students and provides related nutrition education programs. In September, 72 of a possible 75 schools were enrolled in the program. The second activity of the dairy industry supported by the Marketing Services Section is a nutrition communications program. The objective of the Milk Board's program is to expand the market for milk and milk products through the communication of credible nutrition information.

- Support to the Hog Commodity Marketing Board in its promotion of pork to the foodservice and retail sectors. The Swine Breeders Association was assisted in its promotion of the quality of its stock.
- Assistance to the Cattlemen's Association in its retail beef promotion campaign. Limousin and Shorthorn breeders were also assisted in promoting their breeding stock.
- Increased emphasis on Island fairs and exhibitions as a means to promote Prince Edward Island food products. Much of the section's work focused on strengthening the organizational and management skills of the fair organizers. The Fairs and Exhibitions Coordinator prepared a promotional guide for the management committees of the fairs and exhibitions; developed a program for the standardization of judges in the food and crafts division; developed an evaluation standard to assess the fairs and exhibitions; and hosted a workshop for the Prince Edward Island Association of Exhibitions.

Market Information and Analysis

The daily market reports on Prince Edward Island radio stations continued to be prepared by the Marketing Services Section. The weekly report was improved with the addition of "This Week In Agriculture". This new section provides a commentary on shifts in commodity prices and analyzes trends in the agricultural sector in North America and the effect on the Prince Edward Island industry.

The mid-year statistical summary sheet was prepared as was the 23rd edition of "Prince Edward Island Agricultural Statistics".

The section is also increasing its analysis of trends in the retail and foodservice sectors in order to capitalize on opportunities presented by changes in buying patterns of consumers and buyers in the food industry.

Federal/Provincial Negotiations

The Marketing Services Section has been involved in various federal/provincial discussions relating to agricultural policies and programs. The main areas of work are as follows:

- red meat tripartite program
- Feed Freight Assistance Program
- cancellation of the At and East Program
- changes to the Advance Payments for Crops Act
- interprovincial and international trade liberalization

DISTRICT OFFICES

Staff from the District Agricultural Offices, located in Souris, Montague, Charlottetown, Summerside and O'Leary provide services to farm families that support and promote the development of agriculture in the province.

The staff include:

Five Agricultural Representatives

Five Extension Marketing Representatives (part-time)

Ten Agricultural Resource Workers (part-time)

Four Farm Management Representatives

Five Secretaries

Two Agricultural Technologists

One 4-H Worker (part-time)

One District Extension Worker

Major Program Activities

Extension activities are centered around information transfer - providing farmers with the opportunities to observe and evaluate new production, marketing and business management techniques.

Tours to view projects such as soil conservation demonstrations and new crops such as Sweet White Lupins were used to give a large number of producers a first hand, on-farm look at development opportunities.

Information days were used extensively to provide farmers with opportunities to hear speakers and see presentations on a wide range of topics. Pasture management, handling of pesticides, income tax, poultry meat production and liquid feeding systems for hogs are examples that illustrate the diversity in topics.

Much extension work is carried out one-on-one, with the extension worker and the farmer working together on a project or problem pertaining to his or her own farm. The extension worker can offer technical expertise, sources of information and data, and experience gained in dealing with similar problems or situations. This provides the farmer with not only a resolution to the immediate problem, but also a means to learn new skills and knowledge. Farm business management topics, ranging from financial statement preparation and analysis to estate planning are often dealt with in this way; however, production and marketing issues are also common.

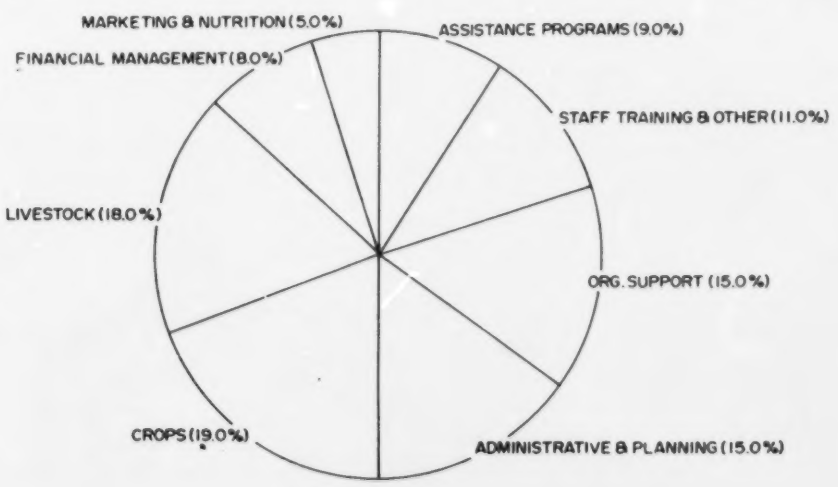
The Lease-back to Vendor program of the Land Development Corporation was in its first full year of operation and this program relies on the active involvement of the district staff working in cooperation with participating farmers.

Marketing involves promotion of Island farm products as part of a healthy, balanced diet by consumers. Staff were active in events that highlighted this concept.

Cumulative Activities

The district office staff had in excess of 50,000 contacts with clients during the course of the year.

A typical breakdown of the activities of a district office is given by the following chart, developed from data for the West Prince District Office.



ATLANTIC LIVESTOCK FEED INITIATIVE

OBJECTIVE

To provide management, through the Prince Edward Island Department of Agriculture, of the Canada/Prince Edward Island Subsidiary Agreement on Livestock Feed Development 1987-1991.

The Agreement details four (4) major goals:

- Increase the quantity and quality of livestock and poultry feed produced in the Province;
- Promote development and production of new and/or improved feeds;
- Improve feed production, processing and utilization systems; and
- Improve producers' technical and managerial skills related to feed production.

The Agreement is commonly referred to as the Atlantic Livestock Feed Initiative (ALFI) Program.

Personnel

Program Manager - John H. Chandler

Program Coordinator

Information Officer

Evaluation Technologist

Evaluation Technician (2)

Secretaries (2)

In April, 1989 the position of ALFI Information Officer was filled by secondment. The position provides to the program a means to disseminate relevant program information to program participants and the Island agriculture industry.

On July 10, 1989 an agricultural technologist was hired to co-ordinate the evaluation activities of the program's technical staff which was increased with the hiring of a additional technician, for the Summerside and O'Leary Districts, on September 18, 1989.

The technical positions funded through the ALFI Program allow the evaluation of agricultural technologies new to Prince Edward Island producers.

Program Developments

The On-Farm Storage and Handling Expansion Program previously placed on hold, pending the possibility of additional funding becoming available, was allocated an additional $300,000. This transfer of program monies was used for forage storage under this section of the program. Also during this time period, a commitment of $100,000 was made under the Technology Dissemination Section of the Program for the installation of grain drying equipment and associated costs.

On June 20, 1989 the ALFI Program was closed temporarily to allow for financial and program evaluation review. The interim evaluation of the program implementation, accomplishments, rationale and design was carried out during the months of July and August with the final report tabled in October. The financial review was initiated last October with completion in November. All evaluation and financial information is being reviewed prior to the re-opening of the program.

Example of Program Activities

- Beginning of production of a 12-15 minute video highlighting ALFI technology;
- Provision of funding for a grain cereal production advisory training project for Prince Edward Island grain producers;
- Assistance in the safe storage of the sweet white lupin bean by means of providing funds for the drying or roasting of the beans prior to storage;
- Provision of funding for a soybean consultant to assist and advise producers in the production of soybeans and department staff dealing in the research of adaptive soybean varieties to Island conditions;
- Provision of funding for the on-going research to establish an early maturing grain corn hybrid for the Atlantic Region;
- Assistance to the Island Hay and Straw Co-operative Ltd. in the funding for an administrative assistant.
- Approval of two (2) 1,000 ton grain tanks for the Prince Edward Island Grain Elevator Corporation - Kensington;
- Numerous radio broadcasts, news releases, newspaper articles, demonstrations and technology tours on ALFI projects.

Project Activity

December 1, 1988 - November 30, 1989

	Project Approved	Project Not Rejected	Withdrawn/ Held
Technology Advancement	1	0	0
Technology Evaluation	72	9	12
Technology Adoption	254	9	64
Technology Dissemination	313	29	50
Group Storage & Handling	1	0	0
Farm Storage & Handling	70	4	35
Market Organization	2	1	0
Administration	2	0	0
Farm Planning	1	0	2
Human Resource	10	3	4
ALFI TOTALS	726	55	167

December 1, 1988 - November 30, 1989

	Cost Approved	Initiative Approved	Initiative Paid
Technology Advancement	$ 31,981	319,811	1,090,178
Technology Evaluation	576,348	419,337	399,815
Technology Adoption	805,844	322,263	237,395
Technology Dissemination	216,119	566,823	296,536
Group Storage & Handling	225,000	225,000	218,624
On-Farm Storage & Handling	1,201,044	377,430	633,326
Market Organization	55,680	42,590	85,233
Administration	280,380	280,380	194,022
Farm Planning	1,512	1,512	2,305
Human Resource	282,984	254,382	284,989
ALFI TOTALS	$ 3,676,892	2,521,698	3,442,423

FARM/RURAL ORGANIZATIONAL DEVELOPMENT

The Marketing and Extension Branch assists the development of various farm and rural organizations. The Farm Organization Assistance Policy provides financial assistance for programs of the Federation of Agriculture, National Farmers Union and the Women in Support of Agriculture.

Financial and personnel support is also provided to 4-H and the Women's Institute.

4-H Program

The Provincial 4-H Program has four objective areas: Leadership & Personal Development; Family Life; Agriculture and Public Relations.

The programs conducted under Leadership & Personal Development had 51 members and 10 leaders on travel programs, 5 4-H Scholarships awarded and 36 leaders certificates presented. A Senior Members Conference was held for 35 members, a Camping Program for 100 members, an Annual Leaders Conference for 90 leaders, an Award Event for 200 people, and local district and provincial Communication Competitions for all 4-H members.

Under Farm Life the following activities and resources were developed: Workshops, Home Economic Competitions and project revisions.

The Agriculture Objective area held many livestock workshops and livestock competitions. The Provincial 4-H Show had approximately 600 people in attendance. Under the agriculture objective many 4-Hers were selected as out-of-province livestock competitors. In conjunction with the Atlantic Veterinary College, the 4-H program is developing a veterinary project for Senior 4-Hers.

For Public Relations there were 52 4-H Radio Programs produced for the regular Saturday program. A monthly 4-H leaders newsletter was distributed to the Volunteer Leaders as well as numerous articles and press releases for the local media.

The P.E.I. 4-H Staff also hold positions on the Atlantic 4-H Committee and the Canadian 4-H Council.

4-H activities at the club level are actively supported by district office staff.

Achievement Days provide an opportunity for members to exhibit the project they have completed during the year. Public speaking and demonstration events at the club and area level serve to develop member's skills in speaking to a group. District staff serve as judges and department representatives at virtually all these events.

District Leaders' Councils draw on the knowledge and experience of district staff in developing programs and activities for members and leaders.

In total, the 4-H movement involves 1000 members and 300 volunteer leaders throughout the province.

Interprovincial Exchange

Bloyce Thompson
Dunstaffnage-Marshfield to British Columbia

John Yates, North River to Saskatchewan

Kent Murnaghan, Fort Augustus to Manitoba

Jennifer Godfrey, Dunstaffnage-Marshfield to Quebec

Washington Conference

Tracey Stewart, North River

National 4-H Careers' Conference

Tara Stewart, Brooklyn-Heatherdale

Jamie Wood, Dunstaffnage-Marshfield

National 4-H Members' Conference

Billie Jo Davis, Lower Montague

Christine MacDonald, Sherbrooke

Scott MacIntosh, North River

Penny McMurdo, Freetown

Ronnie Stewart, Dunstaffnage-Marshfield

Gwyneth Weeks, Pleasant Valley

Glen Swallow, President PEI 4-H Council, was the chaperone.

Citizenship Seminar

Denise Campbell, Seaside

Rachael Cheverie, East End Circle

Andrew Dickieson, Cavendish

Shelley Jollimore, French River

Edward Lank, Wheatley River

Angela Matheson, Brooklyn-Heatherdale

Laura Pidgeon, French River, was chaperone.

Great Britain Exchange

Natalie Burns, Freetown

Canadian National Exhibition Scholarship Recipient

Denton Moffatt, Cavendish

Atlantic 4-H Communications Weekend (Oct. 13 & 14/89)

Tim Dixon, Jr. Public Speaking, North River

Ellen Larsen, Sr. Public Speaking, Albany

Doreen MacKenzie, Single Demonstration,
Millview-Vernon River

Kimberley & Tommy Sullivan, Double Demonstration,
Cherrycliffe

**Atlantic 4-H Ambassadors' Conference
(October 19 - 22/89)**

Carole Arsenault, Evangeline

Rachael Cheverie, Seaside

Derwin Clow, Freetown

Lottie Gamester, Pleasant Valley

Melanie MacPherson, Wheatley River

Kimberley Toombs, Cavendish

The chaperone was Kevin McInnis (Cherrycliffe 4-H Club).

Petro Canada 4-H Leadership Award Recipient

Jane MacLaurin, Lot 16

P.E.I. 4-H Council Scholarship Recepient

Ellen Larsen, Albany

Junior Farmer Ontario Exchange (March 19-22/89)

Lloyd Dalziel, Mermaid

Manitoba Leaders' Conference (March 10 & 11/89)

Penny Frizzell, Pleasant Valley

National 4-H Leaders' Conference (November 8 - 12/89)

Gordon Frizzell, Pleasant Valley

Frances MacAulay, Souris West

Mary Ellen McInnis, Cherrycliffe

Stephen Wallace, Elmsdale

Barbara Wood, Dunstaffnage-Marshfield

Most Improved Club of the Year

Morell

J.T. Driscoll Memorial Award for Community Project

Cherrycliffe

Friend of 4-H Award

Bev & Shirley Simpson, Vesey's Seeds Ltd.

Stewart Wright Memorial Scholarship

Erik TerBeek & Natalie Burns

4-H Leadership Certificates

Five Year Certificates

Boneta Carter	Chepstow-Little Harbour
Anne Cheverie	East End Circle
Patricia Cosh	Winsloe-Brackley
Helen Dawson	Uigg-Kinross
Eric Dixon	North River
Heather Dixon	North River
Woneta Fraser	Eastern Clovers
Debbie Gamble-Arsenault	High Hopes
Willy Hekman	Lot 16
Johanne Ings	High Hopes
Regina Hennessey	East End Circle
Georgina MacDonald	Tri Com
Winnie Murphy	St. Ann's
Janice Palmer	High Hopes
Chester Stewart	Winsloe-Brackley
Glen Swallow	Grand River East
Gail Wallace	Elmsdale

Ten Year Certificates

James Campbell	Cherrycliffe
Mette Ching	Eastern Clovers
Brian Dingwell	Morell
Marion Drummond	Freetown
Bernadette Gallant	St. Ann's
Yogi Gamester	Pleasant Valley
Mavis Landrigan	Sturgeon Bay
Harry (Buddy) Loane	Brooklyn-Heatherdale
Loma MacPhee	Seaside
Nancy Orr	Cavendish
Isabel Paynter	New Annan
Eric Phillips	Elmsdale

Fifteen Year Certificates

Frances Coles	Dunstaffnage-Marshfield
Martina Doyle	Alberry Plains
James Harris	Elmsdale
Anne Shaw	Uigg-Kinross
Rena Thompson	Dunstaffnage-Marshfield

Twenty Year Certificate

Kay Wall — New Annan

Thirty Year Certificates

Mildred Campbell

Contact Hays Classic - November, 1989

Jill Arbing, Dunstaffnage-Marshfield

Andrew, Charles & David Dickieson, Cavendish

Michelle Dollar, Winsloe-Brackley

Jamie Wood, Dunstaffnage-Marshfield

Bloyce Thompson, Dunstaffnage-Marshfield

National 4-H Beef Heifer Show - November, 1989

Susan Dixon, North River

Wade Loane, Brooklyn-Heatherdale

Timmy Dixon, North River

Sidney Reid, Cherrycliffe

Linda Docherty, North River

Frank Robblee, North River

Kurt & Karrie Duncan, North River

Jody & Kathie Sanderson, North River

Paul Godfrey, North River

Jill Stewart, North River

Liaison to Women's Institutes

Presently there are 178 local branches with a membership of approximately 2800.

A volunteer Board of Directors coordinates the programs and projects on a provincial basis. Program resources were provided for 310 requests to the Program Library.

The "From Farm to Table" program emphasizes public awareness and understanding of the agri-food system.

The food preservation information service was co-sponsored with Marketing Services Division. Over 1000 requests were received by the service between July 1 and October 6.

Development of leadership skills is emphasized through workshops and seminars for members at all levels of the organization.

As part of National Environment Week, Women's Institute co-sponsored with radio station CFCY/Q93 a competition for Island schools to develop radio commercials to increase environmental awareness.

Women's Institute sponsored and operated the Food, Handcraft & Art Divisions of the Provincial Exhibition. Approximately 1200 entries were displayed in the Women's Institute Building which was staffed by approximately 300 volunteers.

Production Services Branch

The required technical and advisory services are provided to the agricultural community by the appropriate sections within the Branch. This information, reinforced with services, legislation and financial assistance programs are all designed to contribute to agricultural development by initiating and reinforcing change based on sound economic management.

Crops Section

The Crops Section assists the farmers of Prince Edward Island in crop production by on-farm extension, workshops, tours, field days and factsheets which disseminate information on economic and environmentally sustainable techniques of crop production. The staff is made up of specialists and technicians in each crop areas as well as the weed and pest control specialist and the pesticides control officer.

Personnel

Supervisor - Katherine Clough, Ph.D.

During the 1989 calendar fiscal year, the following personnel operated under the direction of the supervisor:

Forages

- forage crop production specialist
- field crop technician

Cereals

- cereal and protein crop production specialist
- soybean consultant

Potatoes

- potato variety evaluation technician

Vegetables and Tobacco

- vegetable and tobacco specialist

Small Fruits and Agriculture, Greenhouse Production

- horticulture specialist

Weed and Pest Control

- weed & pest control specialist

Pesticides Control

- pesticides control officer

Applied Research

- agronomist/project director
- 2 field technicians

Programs sponsored by Soil and Crop Improvement Association and supervised by Crops Section staff:

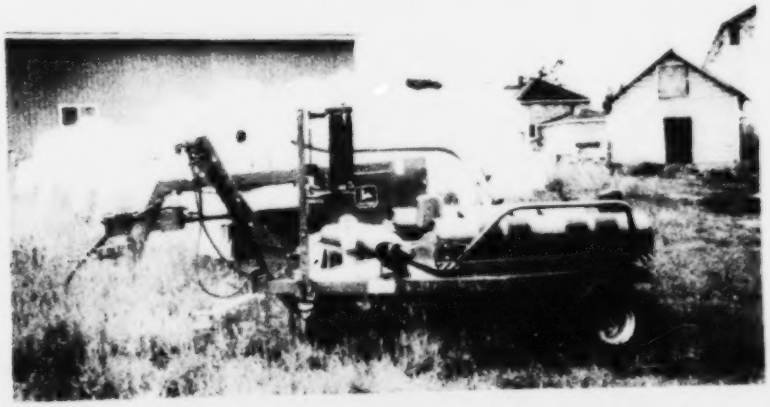
Crop Potential Project

- field technician

Crop Advisory Service

- agronomist/project director
- crop scouts

The successful running of these programs is due in part to the assistance of seasonal crop scouts and technicians.



Activities

During 1989 the crops section delivered a number of programs and activities. There were significant achievements in the cereal and forage area in activities funded by the Atlantic Livestock Feed Initiative program.

Soybean acreage increased to approximately 8,000 acres as a result of increased extension support for all producers and financial assistance for new growers. Sweet white lupin acreage also increased as a result of ALFI support. Crops specialists paid particular attention to this crop, which although new to Prince Edward Island, appears to be appropriate as a protein source for some livestock operations.

The cereal crops advisory program sponsored by the Prince Edward Island Soil and Crop Improvement Association successfully completed its second year of operation providing a province wide service to grain growers wishing to improve their management of cereal crops. Staff responded to the first provincial reports of Verticillum wilt in alfalfa by carrying out a survey to determine the extent of the problem. Plot trials and demonstrations of cereal, forage and soybean varieties and management techniques were carried out at several sites across the province.

An education program on wild oats was launched to increase awareness of the spread of this noxious weed. Materials on identification and control were distributed throughout the province and problem areas were targeted for additional support by the weed and pest control specialist.

Horticulture staff within the section continued their support for fruit, vegetable and honey production by providing financial and extension support in a number of areas. Many strawberry growers participated in a crop scouting program and financial and technical support was provided for a vegetable scouting service run by the Prince Edward Island Horticultural Association. In addition a specific project was initiated to improve techniques of York rutabaga seed production. On-farm trials in techniques of edible bean production were carried out to answer some of the questions posed by growers of this relatively new crop to Prince Edward Island. Financial support for bee inspection was again provided by the Crops Section. Legislation was prepared toward the declaration of Prince Edward Island as a disease-free honeybee sanctuary.

The section maintained its activities in tobacco extension by providing on-farm advice to growers and through financial support for the Maritime Regional Tobacco Research Program. A co-operative trial with the Delhi research station was initiated to evaluate controls for the disease Sclerotinia.

Staff involved in potatoes carried out variety evaluation trials, corn borer monitoring in commercial fields and testing of a biological control agent for the Colorado potato beetle.

The Pesticides Control Act was enforced by the pesticides control officer who monitored ground and aerial spraying activities throughout the season, carried out storage site inspections and general extension work on the safe use of pesticides.

All staff worked closely with producer group organizations in all crop commodities to assist their members in organizing workshops, tours and special events. These included a summer tour of cereal and forage sites sponsored by the Prince Island Island Soil & Crop Improvement Association, attendance at the New England Vegetable Growers Conference and a tour of soybean and edible bean production sites. Staff acted as resource persons at many of the district training events throughout the year.

Lab and Disinfection Services Section

The Lab and Disinfection Services Section offers to farmers and farm related groups a number of specialized services which are otherwise unavailable on Prince Edward Island. Some of the services are utilized directly by farmers, while other services offer support to extension staff, who in turn advise agricultural clients. The ultimate goal of all the services is to help farmers improve the productivity of individual farm units and, at the same time, improve the marketability of various crop commodities.

Personnel

Supervisor, Lab and Disinfection Services

Soil and Feed Testing

- Supervisor
- 4 Lab Technologists
- Utility Worker

Plant Disease Diagnosis

- Plant Pathologist
- Potato Pathology Project Coordinator

Potato Disinfection Program

- Supervisor
- Disinfection Employees (Permanent - 9, Casuals - Up to 18)
- Potato Retail Tablestock Inspector
- Extension Agronomist

The Following is a Directory of Services Available:

Laboratory Testing Services

- Soil Testing/Custom Fertility Recommendations
- Plant Tissue Testing
- Feed Analysis
- Plant Disease Diagnosis

Potato Disease (Bacterial Ring Rot) Eradication

- Potato Cull Burial Assistance Program (50 percent)
- Bacterial Ring Rot Clean-up Program (100 percent)
- Plant Disease Eradication Act
- Potato Seed Incentive Program
- Potato Disinfection Services

Potato Quality Assurance

- Retail Tablestock Inspection Service (Agricultural Products Standards Act)
- Potato Anti-Bruise Program (Cooperative effort with Engineering Section)

Soil and Land Quality Program

- Limestone Incentive Program
- Long Term Soil and Crop Records

Special Projects and Services

- Potato Pathology Project (Early Dying)
- Potato Integrated Pest Management (Aphid Alert, Blight Forecast, Colorado Potato Beetle Monitoring, and Crop Scouting)
- Publication of Monthly Newsletter "The Extender"

Facility Development

Renovations were completed to the Pathology Diagnostic Laboratory. The improved facilities will eventually allow for an expansion of diagnostic services.

Increased Use of Soil and Feed Lab Service and Disinfection Services

The number of feed samples analyzed is up 19 percent over the same period last year, similarly, soils are up 44 percent. The physical layout of the lab has changed to include a sample receiving office. This will improve the lab's ability to track samples and ultimately an improvement in turnover is expected.

The Disinfection Program operates permanent truck disinfection units at Albany and Wood Islands. The number of vehicles disinfected this year compared to last are up 23 and 24 percent respectively.

Conferences For Farmers

In cooperation with various extension staff the "Making The Grade" conference was presented in February. Preparation has begun for the first Prince Edward Island Potato School to be presented February 23 and 24, 1990.

Answering Services For Disinfection Program

Mobile message pagers were distributed to permanent mobile disinfection staff. Enlisting the service of a 24 hour answering service has now improved the accessibility of disinfection units to farmers and transport operators.

Engineering and Land Resources Section

The Engineering and Land Resources Section provides programs and extension work in the following areas:

- Farm Buildings and Systems
- Farm Machinery
- Soil and Water Management
- Chemical Application Equipment Calibration and Safety

Personnel

Supervisor - Graeme Linkletter, P.Eng.

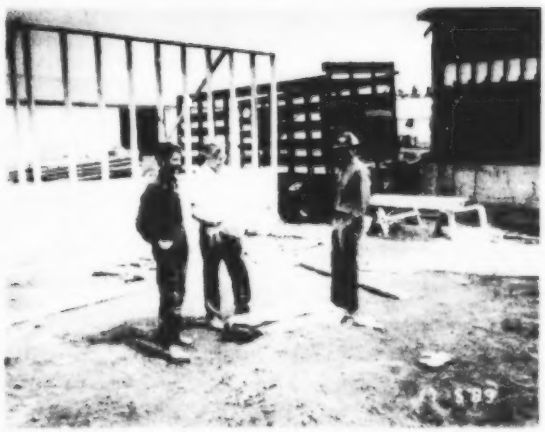
During 1989 the following divisions functioned under the direction of the Supervisor:

Farm Buildings

- District Engineer - Summerside District Office
- Farm Buildings Engineer/Supervisor
- Engineering Technician - Draftsman

Farm Machinery

- Farm Machinery Specialist
- Chemical Application Equipment Specialist



Soil and Water Management

- Soil and Water Conservation Engineer
- Engineering Technician I - Surveyor
- Engineering Technician II - Computer
- Engineering Technician IV - Inspection and supervision

Farm Buildings

The Farm Buildings Program provides a customized planning and design service for all types of farm structures as well as general extension information on farm building systems and environmental aspects of livestock manure management.

During 1989 the major farm building activity dealt with potato grading facilities, potato storages and ventilation systems within these storages. Many livestock and crop producers were also provided with farm building plans. Commodities serviced included swine, dairy, beef, horses, sheep, poultry, forage and grain, horticultural crops and greenhouses.

The District Agricultural Engineer, located in Summerside, provides Prince County producers with farm building plans and general extension information. The Engineering Supervisor/Farm Buildings Engineer provides information and farm building plans to producers in Queens and Kings Counties.

Soil and Water Management

Specific technical engineering designs are developed upon request for land improvement on soil and water management projects. Design services are offered for agricultural land drainage, soil erosion control, land clearing, land levelling and irrigation. Design work usually involves discussions with the client, site inspections, topographical surveys and engineering analysis.

Erosion control projects involving strip cropping and terracing are laid out and the construction phase of these projects is supervised to ensure that the work meets the technical and functional requirements.

New and innovative land improvement and soil and water management technologies are now being demonstrated at several locations throughout the province. The effectiveness of these systems is being monitored.

Farm Machinery Program

During 1989 the Farm Machinery Program provided programs and services in the following areas:

- Information

The farm machinery specialist continues to acquire and distribute information on machinery specifications, operation, machinery management, and all phases realted to machinery. These services are offered to farmers, other professionals, and various programs offered by the province.

- Atlantic Farm Mechanization Show

This three day bi-annual extension event was carried out February 1989 and was, again very successful. Over 17,000 Atlantic provinces farmers came to view the new products offered by 113 exhibitors.

- Educational Events

The farm machinery specialist participated in numerous educational events during the year. Examples are the Crops Update, held in each District Office area throughout the province and the Potatoes Canada Course, co-ordinated through the Nova Scotia Agricultural College.

- Potato Harvester Bed-Speed Ratio Project

This project was carried out during the 1989 potato harvest season using a totally hydraulically driven harvester that had been designed and constructed on Prince Edward Island. The objective of the project was to utilize the capabilities of the harvester to determine the best bed speed ratios for Island conditions.

- The Electronic Potato Project

The Electronic Potato was used again in the province throughout the harvest season. During the year visits were made to 22 separate grading lines. During the early winter and in the fall phase of the project 63 visits were made to 47 different farms.

- The Bruise Reduction Program

The Farm Machinery Specialist cooperated in offering a bruise reduction program to farmers to monitor equipment operating in the field. Bruise locations were identified and corrected on harvesting equipment.

- Liasion With Farmer and Machinery Industry

This service is provided to farmers who have trouble dealing with the machinery industry and problems relating to parts acquisition or performance of machinery. A number of situations were acted upon and resolved during the year.

- Special Projects during 1989

The farm machinery specialist co-operated with the Province of Newfoundland in the design and construction of a peat bog harvester. This machine is designed to operate on small agricultural tractors and has been constructed at a local fabrication firm in Charlottetown. The field testing will occur in April or May in Newfoundland.

- Chemical Application Equipment Project

This three year ALFI program was developed with the primary goal of increasing agricultural producers' skills in the safe use and current application of agricultural chemicals. On request, the project will provide the expertise and testing equipment required to evaluate the performance of agricultural chemical application equipment. Pesticide education courses are offered in the safe use of chemicals and proper calibration of sprayers. A nozzle testing service has been established to test sprayer nozzles for wear.

- Regional and National Committees

As part of the total information sharing and coordination of activities, staff of the Engineering and Land Resources Section participate in several of the Atlantic Advisory Committees including the Canada Plan Service, the Regional Bruise Reduction Committee, as well as several interdepartmental committees.

Livestock and Dairy Services Division

The Services of the division are directed towards the technical aspects of livestock farming, i.e. how to and physical performance. The Division supports the objectives of the Department through the extension of information, the services of production specialists and technicians, diagnostic and other laboratory services, and the enforcement of legislation.

The Division's more specific goals are as follows:

a) to facilitate livestock production testing for both management and genetic evaluation purposes;

b) to reduce disease levels in our domestic livestock through encouraging health management and disease monitoring programs;

c) to improve and guarantee the quality of livestock products produced for sale through inspection and controls; and

d) to offer extension programs to supply producers with the most updated technology and information.

Personnel

Division Management
Assistant Director - Kais Deelstra
Secretary

Dairy Section

Dairy Superintendent
- Secretary
- Dairy Lab Supervisor
- Dairy Specialist
- 5 Laboratory Technologist
- 5 Dairy Inspectors
- Udder Health Technologist

Livestock Section

- Beef & Sheep Specialist
- Swine Specialist
- 2 Livestock Technologists
- 5 Livestock Technicians
- Livestock Nutritionist
- Computer Program Specialist
- Veterinary Specialist (part-time)
- Secretary

Production Testing Services

The Division offers or supports livestock production testing services to suit the different species and operations.

a) Dairy

- Milk Recording - Official Test 152 farms
- Owner Sample 80 farms

b) Beef

- Record of Performance Program 118 farms
- Weaning Weight Program 280 farms

c) Swine

- Record of Performance Program 19 farms
- Swine Productivity Program 45 farms

d) Sheep

- Record of Performance Program 21 farms

Product Quality Control Services

a) Dairy Industry Act Implementation

- Milk composition testing
- Milk Recording - 70,951 samples
- Payment - 23,388 samples
- Bacterial contamination of raw and processed milk (12,367 producer samples)
- Somatic cell count on raw milk (86,146 samples)
- Adulteration and inhibitors contamination (8,619 bulk truck samples; 5,710 producer samples)
- Farm premises inspections (525 producers inspected, 1,101 follow up inspections)
- Bulk tank calibrations
- Plant licensing and inspection (7 Class I plants, 3 Industrial plants, 3 Creameries)

b) Poultry Products Act in cooperation with Agriculture Canada and Community Hygiene

- Inspection of 10 egg grading stations
- Inspection of 2 poultry processing plants

c) Provincial Meat Inspection Program

- Payment for veterinary inspection of beef, swine and lamb carcasses at 17 local abattoirs

Genetic Improvement Programs

The Division encourages producers to use genetically superior breeding stock through the following programs:

- Cattle Artificial Breeding support program
- Beef Bull Bonus Program
- Beef Bull Test Station Support Program
- Ram Bonus Program
- Boar and Gilt Bonus Program
- Fox Artificial Insemination Program
- Equine Genetic Improvement Program

Animal Health Programs:

- Diagnostic Services Program on contract with the Atlantic Veterinary College
- Clinical Services Program
- Basic Health Management Services Program
- Intensive Health Management Services Program
- Auction Barn Inspection Program
- Certification of Swine Minimal Disease Program
- Swine Slaughter Check Program

Livestock Extension Support Services

a) Information and education

The various means used to disseminate information are: individual consultation on the farm or in the office, commodity newsletters and factsheets, short courses, information meetings, demonstrations, producer tours. Highlights during 1989 were:

- Maritime Pork Conference
- Maritime Forage Conferences
- Dairy Producer Tour
- Dairy Breeding Seminar
- Horse Industry Week
- Beef Cow-Calf Short Course
- Feedlot School

b) Liaison with Producer Organizations

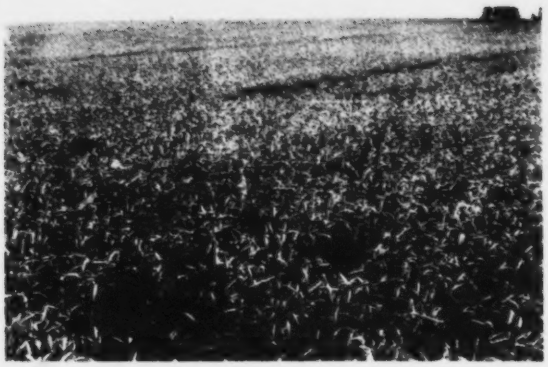
Much information is distributed by working directly with the various breed associations, commodity organizations and/or marketing boards.

c) Special projects

- The Udder Health Technologist offers a specialized services to dairy producers. This consists of milking equipment and procedure analyses on farms.
- The Division cooperates with the Animal Productivity and Health Information Network at A.V.C. in supplying data and exposing producers to the benefits of this program.
- The Division's staff were involved in the following A.L.F.I. projects:
  - Finishing Beef on Barley
  - Red Veal Program for Holsteins (corn vs barley)
  - Voisin Grazing System

Specific Purpose Programs

a) The Community Pasture Program provides additional grazing land for about 150 cattle producers through five Land Development Corporation-owned community pastures.



b) The Livestock Exhibitors program assists Island Breeders to display and promote their breeding stock at provincial or regional shows outside of the province (17 breeders).

c) The Livestock Breed Association Assistance Program ensures the viability of 17 local breed organizations and helps them to put on programs.

d) The Farm Separated Cream assistance Program contributes 17.5 cents/kg. of butterfat to offset part of the transportation cost of farm separated cream to 144 cream producers.

e) The Lean Beef Program provides incentives for producers to implement improved management practices.

f) The Swine Incentive Program was implemented to encourage onfarm productivity and increase Island swine production in order to supply the Garden Province Meat plant. The program benefits about 400 producers.

g) The Ranched Fur Advance Payment Program advances funds on current production and pays the interest on the advanced fund. There are 56 ranches participating in the program.

Department of Agriculture
Financial Statement
Year Ending March 31, 1989

	Expenditure	Revenue (Other than ERDA)
Administration	586,365.62	629.40
Planning and Operations		
Branch Management	89,543.92	
Planning	69,843.58	
Information	126,856.28	
Computer Services	113,102.26	
	399,346.04	
Production Services		
Branch Management	459,942.05	
Lab and Disinfection	1,744,100.90	
Crops and Plant	652,029.30	11,393.00
Engineering and Land Resources	371,856.16	1,650.00
Dairy Services	1,200,661.42	30,730.80
Livestock Services	3,509,495.50	25,636.20
Community Pastures	148,363.19	61,720.24
	8,086,448.52	
Marketing and Extension		
Branch Management	244,936.24	
Sustainable Agriculture	990,975.49	15,016.01
Marketing Services	847,494.29	
Hog Stabilization	11,010,584.68	
School Milk Program	95,500.00	
West Prince	157,100.88	
Summerside	199,932.55	
Charlottetown	222,451.94	
Montague	190,592.91	
Souris	130,879.92	
	14,090,448.90	
Appropriate Tech/Offshore	203,116.88	
P.E.I. Marketing Council	165,483.92	
Crop Insurance Agency	209,986.47	
Potato Commission		
Administration	440,727.40	
ALFI		
Administration	163,270.61	
Tech. Advance Initiatives	644,665.74	
Tech. Eval. Initiatives	312,914.95	
Tech. Adoption (Demo) Initiatives	189,500.04	
Tech. Dissemination Initiatives	236,002.30	
Storage Hdlg. Mkt. Supp. Initiatives	218,623.69	
On Farm Storage Hdlg. Initiatives	844,922.00	
Mkt. Org. Supp. Initiatives	79,416.38	
Human Resource Dev. Admin.	226,876.16	
Livestock Farm Fd. Pl. Serv. Adm.	2,646.68	
Technical-Eval.	16,743.05	
Nutrition Network		
Training Equipment	6,884.63	
Extension Training Activities	19,759.41	
	2,962,225.64	
Total	27,144,149.39	146,775.65